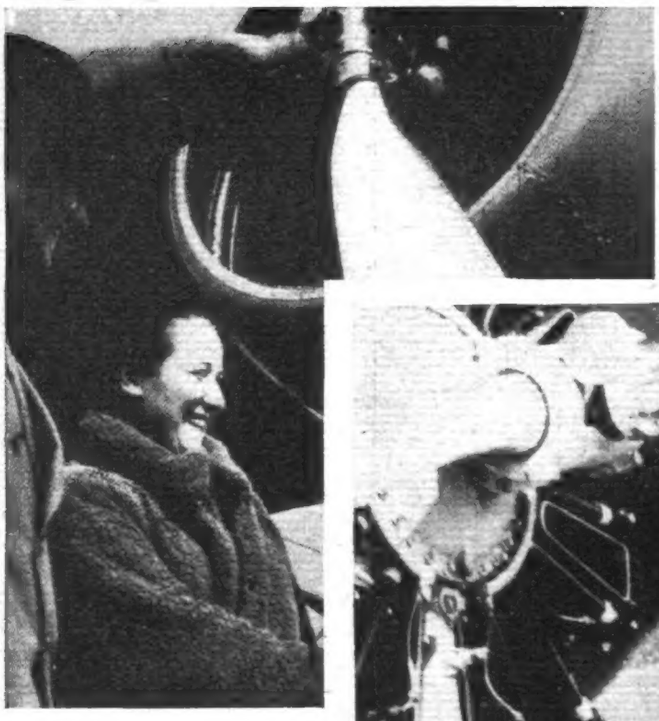

Two women record holders whose names appear in the table below. (Above): Mlle. Maryse Hilz. (Right): Mrs. Amelia Earhart Putnam seen with the Lockheed Electra "Flying Laboratory" belonging to Purdue University.

Vultee, with supercharged 1,000 h.p. Wright Cyclone engine, Richman and Merrill for the first time took advantage of the added power and range made possible by the use of 100-octane fuel. It is interesting to note that Richman holds the amphibian altitude record at 18,641 ft. in a Sikorsky aircraft with Pratt and Whitney engine.

Bossoutrot and Rossi hold for France the international long distance record over a closed circuit. On a Blériot 110 monoplane they flew 6,587.4 miles during March 23, 24, 25 and 26, 1932. Rossi and Codos hold the long-distance "line flight" record on a Blériot-Zappata, having flown 5,657 miles. Previously the record was held at 5,308 miles, by Sqn.-Ldr. Gayford and Flt.-Nicholetts in a Fairey monoplane.

Among the continent-to-continent and capital-to-capital flights, record time from England to Australia has been lowered on no fewer than twelve occasions, and thirty-six British flights have been completed. The aircraft flown vary from an Avro Avian with 80 h.p. Cirrus engine and a Comper Swift (80 h.p. Pobjoy R) to a 200 h.p. Gipsy Six Percival Gull and D.H. Comet (two Gipsy Six R), the last-named having a total of 448 h.p. The D.H. Comet flown by C. W. A. Scott and the late T. Campbell Black in the Mac-Robertson race set up the present record time of 2 days 23 hr. 18 sec.

WORLD'S AVIATION RECORDS

Date.	Type of Record.	Country.	Pilot(s).	Aircraft and Engine.	Record.	Remarks.
Oct. 23, 1931...	Max. speed	Italy	Francesco Agello ...	Macchi-Castoldi 3,100 h.p. Fiat	440.681 m.p.h. 709.209 km./hr.	3 kilometre course Class C.2
Sept 13, 1935	Max. speed ...	U.S.A. ...	Howard Hughes ...	Hughes' Special Pratt and Whitney	352.388 m.p.h. 567.115 km./hr.	Class C.
Nov. 11, 1935	Altitude	U.S.A. ...	Anderson and Stevens	U.S. Army balloon	72,391.9 ft. 22,066 m.	Class A. Eighth Category
Sept. 28 1936	Altitude	G.B.	Sqd. Ldr. F. R. D. Swain.	Bristol 138 Pegasus P.E.VI.S.	49,967 ft. 15,230 m.	Class C.
an 29, 1935	Altitude	U.S.A. ...	Harry Richman ...	Sikorsky S.39 Pratt and Whitney	18,641.7 ft. 5,682 m.	Amphibian Class C.3
Aug. 5, 6, 7, 1935	Airline distance ...	France ...	Codos and Rossi ...	Blériot-Zappata 110 Hispano-Suiza	5,657.387 miles 9,104.700 km.	Class C.
March 23-26, 1932	Closed circuit distance.	France ...	Rossi and Bossoutrot	Blériot-Zappata 110 Hispano-Suiza	6,587.441 miles 10,601.580 km.	Class C.
Aug. 30 1936	Airline distance ...	Czechoslovakia	Capt. Polma and Lt. Zeleny.	Praga Baby Praga (36 h.p.)	1,045 miles 1,680 km.	Class C. Third Category
June 23, 1936	Altitude	France ...	Mlle. Maryse Hilz ...	Potez 50 Gnôme-Rhône	16,475 ft. 14,300 m.	Feminine Record, Class C.
Aug. 24, 25, 1932	Airline distance ...	U.S.A. ...	Miss Amelia Earhart	Lockheed Vega Pratt and Whitney	2,447.728 miles 3,939.245 km.	Feminine Record, Class C.
Aug. 11, 1934	Max. speed ...	France ...	Mlle. Helene Boucher	Caudron C.450 Renault	276.527 m.p.h. 445.028 km./hr.	Feminine Record, Class C.
Oct. 10. 1930...	Airline distance ...	Italy	Marinello Nelli ...	Ascanio Fiat A.50	3,538.706 ft. 1,078.60 m.	Helicopter, Class G.
Oct. 13, 1930...	Altitude	France ...	Maurice Claisse ...	Brégnet Hispano-Suiza	518.4 ft. 158 m.	Helicopter, Class G.
Feb. 17, 1934	Altitude	Germany ...	Heinrich Dittmar ...	D-Condor	14,189.6 ft. 4,325 m.	Glider, Class D.
July 29, 1935	Airline distance ...	Germany ...	Rudolf Oeltzschner	D-Leuna	313.295 miles 504.200 km.	Glider, Class D.

FÉDÉRATION AÉRONAUTIQUE INTERNATIONALE official records are divided into classes and the classes are subdivided into categories and sections. Class A is for balloons; B for airships; C for aeroplanes; D for gliders; E for autogiros; and G for helicopters. Records set up by women are separated under the heading "Feminine Records." Aeroplane Class C records can be made for (a) Distance, closed circuit. (b) Distance, airline. (c) Altitude. (d) Maximum speed. (e) Speed for 100, 1,000, 2,000, 5,000 and 10,000 km. Any of these records may be set up in one of the sections for aeroplanes with a pay-load of 500, 1,000, 2,000, 5,000 and 10,000 kg. (There is also a record for the greatest pay-load carried to an altitude of 2,000 metres.)

Class C correctly indicates aeroplanes weighing more than 560 kg. empty; Class C, first category, is for multi-seaters weighing empty between 280 and 560 kg.; Class C, second category, is for single-seaters between 200 and 450 kg.; Class C, third category, is for multi-seaters less than 280 kg.; and Class C, fourth category, for single-seaters less than 200 kg.

Class C2 represents seaplanes, and it is subdivided as above but for a small difference in weights for categories. The same records are recognised.